

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2006-0032
(Replaces Monitoring And Reporting Program No. R1-2004-0061)

FOR

EMIL SHOKOHI

3300 NORTH HIGHWAY 1
ALBION, CALIFORNIA

CASE NO. 1TMC357

Mendocino County

MONITORING

1. Prior to purging, the depth to groundwater shall be determined to at least 0.01 foot increments in all groundwater monitoring wells quarterly. The data generated from the elevation readings must be referenced to the same elevation datum used for the electronic GeoTracker survey values.
2. Water samples shall be collected for analysis on a quarterly schedule from the following:
 - a) Monitoring wells MW-2, MW-6, MW-9, MW-11, MW-15, MW-16, MW-17, and MW-18;
 - b) The on-site duck pond (sampling location "DP" on the attached figure, excerpted from the March 8, 2006 Edd Clark & Associates, Inc. document *Groundwater Monitoring Report-December 2005 Event, Former Albion Shell, 3300 Highway 1 North, Albion California*);
 - c) The domestic water supply well located to the west of the site (sampling location "DW-1" on the attached figure); and
 - d) The surface water drainage to the southwest of the site and the surface water drainage to the west-northwest of the site, if surface water is present (sampling locations "SW-1" and "SW-4", respectively, on the attached figure).
3. Water samples shall be collected for analysis semiannually, during the first and third quarters of each year, from monitoring wells MW-7, MW-10, MW-13, and MW-14.
4. Water samples shall be collected for analysis annually, during the first quarter of each year, from all other groundwater monitoring wells associated with the site.
5. Water samples collected from monitoring wells MW-1, MW-5, MW-7, MW-8, MW-9, MW-11, MW-12, MW-14, and MW-17 and water samples collected from the duck pond and the surface water drainages shall be analyzed for MTBE and TBA.

6. The other water samples collected per Monitoring items 2, 3, and 4, above, shall be analyzed for TPH-g, BTEX, MTBE, and TBA. EPA method 8260 shall be used for MTBE and TBA analysis.
7. Groundwater samples from the monitoring wells used to monitor the ozone remediation system (monitoring wells MW-2, MW-6, MW-15, MW-16, MW-17, and MW-18) shall be analyzed for the following parameters: dissolved oxygen; ORP; temperature; pH; bromide; bromate; dissolved hexavalent chromium; dissolved vanadium; dissolved selenium; and dissolved molybdenum. The dissolved oxygen, ORP, temperature, and pH shall be measured in the field. The laboratory reporting limit for hexavalent chromium should be no higher than 5 µg/L and the laboratory reporting limit for bromate should be no higher than 10 µg/L.
8. All laboratory analyses shall be performed at a laboratory certified by the California Department of Health Services.

REPORTING

1. Quarterly monitoring reports, in hard copy form, shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	May 1
April, May, June	August 1
July, August, September	November 1
October, November, December	February 1

2. A groundwater elevation contour map shall be included for each set of measurements and shall include the following:
 - a) location of the facilities;
 - b) location of the monitoring wells;
 - c) location of the former underground tanks; and
 - d) groundwater flow pattern including the direction of the groundwater gradient.
3. A contamination isogram map shall be included for each significant pollutant detected during the monitoring events and shall include the following:
 - a) location of the facilities;
 - b) location of the monitoring wells; and
 - c) location of the former underground tanks.
4. Current and previous analytical results shall be reported in tables which include the following:
 - a) sampling point;

- b) date of sample collection;
 - c) constituents and analytical results; and
 - d) quantification limits employed for non-detect analytical results.
5. Current and previous remedial system operation and maintenance activities shall be reported in the monitoring reports.
 6. Each report shall contain copies of the well purging and sampling field logs; chain of custody documents showing the time and date of collection and person collecting; and signed laboratory sheets including quality control data and explanations of analytical anomalies, if any. These supporting documents may be included as appendices to the report.
 7. The monitoring reports and monitoring data shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database as required by Title 23, Division 3, Chapter 30 of the California Code of Regulations.

Ordered by _____

Catherine Kuhlman
Executive Officer

March 20, 2006

